

1           1.    A method comprising:  
2            receiving a file including characters;  
3            converting said file to a first code format if  
4    the characters are of a first type; and  
5            converting said file to a second code format if  
6    said characters are of a second type.

1           2.    The method of claim 1 including receiving a web  
2    page in a plane, row and column format.

1           3.    The method of claim 1 including checking to  
2    determine whether a character set plane is changed.

1           4.    The method of claim 3 wherein if the character  
2    set plane is changed, inserting a new character set  
3    designator.

1           5.    The method of claim 3 including determining  
2    whether the characters in the file are defined according to  
3    the first code format.

1           6.    The method of claim 5 wherein if said characters  
2    are coded according to said first code format, table  
3    mapping Unicode values to said first code format.

1           7. The method of claim 5 wherein if said first code  
2 format is not utilized, using the surrogate area of  
3 Unicode.

1                   8. The method of claim 7 including using a surrogate  
2 value to find a font file location and offset.

1                   9. The method of claim 7 including dividing font  
2 files into planes.

1           10. The method of claim 9 including selectively  
2 determining a font for a particular character from plane,  
3 row and column information or from surrogate Unicode  
4 information.

1        11. An article comprising a medium storing  
2 instructions that enable a processor-based system to:  
3            receive a file including characters;  
4            convert the file to a first code format if the  
5 characters are of a first type; and  
6            convert said file to a second code format if said  
7 characters are of a second type.

1           12. The article of claim 11 further storing  
2 instructions that enable the processor-based system to  
3 receive a web page in a plane, row and column format.

1           13. The article of claim 11 further storing  
2 instructions that enable the processor-based system to  
3 check to determine when the character set plane is changed.

1           14. The article of claim 13 further storing  
2 instructions that enable the processor-based system to  
3 insert a new character set designator if the character set  
4 plane is changed.

1           15. The article of claim 13 further storing  
2 instructions that enable the processor-based system to  
3 determine whether the characters in the file are defined  
4 according to the first code format.

1           16. The article of claim 15 further storing  
2 instructions that enable the processor-based system to map  
3 Unicode values to said first code format if said characters  
4 are coded according to said first code format.

1           17. The article of claim 15 further storing  
2 instructions that enable the processor-based system to use  
3 the surrogate area of Unicode if said first code format is  
4 not utilized.

1       18. The article of claim 17 further storing  
2 instructions that enable the processor-based system to use  
3 a surrogate value to find a font file location offset.

1       19. The article of claim 17 further storing  
2 instructions that enable the processor-based system to  
3 divide font files into planes.

1       20. The article of claim 19 further storing  
2 instructions that enable the processor-based system to  
3 selectively determine a font for a particular character  
4 from plane, row and column information or from surrogate  
5 Unicode information.

1       21. A system comprising:  
2            a processor; and  
3            a storage coupled to the processor, the storage  
4 storing a browser that is able to receive a file including  
5 characters, convert the file to a first code format if the  
6 characters are of a first type and convert said file to a  
7 second code format if said characters are of a second type.

1       22. The system of claim 21 wherein the storage stores  
2 instructions that enable the processor to receive a web  
3 page in a plane, row and column format.

1           23. The system of claim 21 wherein said storage  
2 stores instructions that enable the processor to map  
3 Unicode values to the first code format if the characters  
4 are coded according to first code format.

1           24. The system of claim 23 wherein said storage  
2 stores instructions that enable the processor to use a  
3 surrogate area of Unicode if the first code format is not  
4 utilized.

1           25. The system of claim 21 wherein said storage  
2 stores instructions that enable the processor to  
3 selectively determine a font for a particular character  
4 from plane, row and column information or from the  
5 surrogate Unicode information.